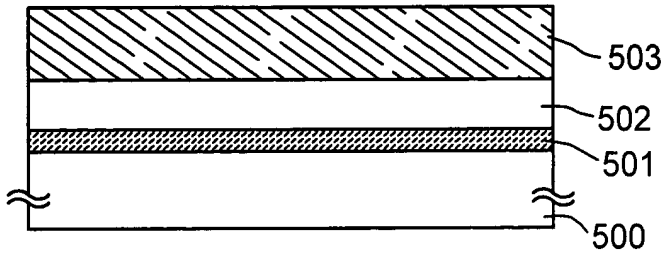


FIG.1A

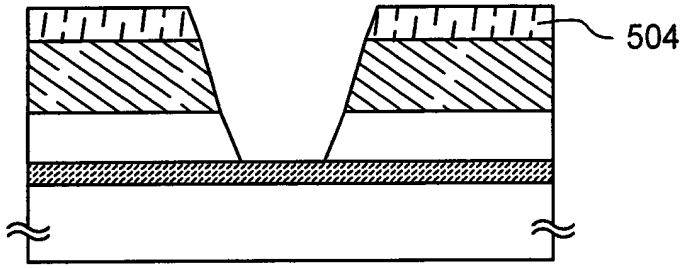


FIG.1B

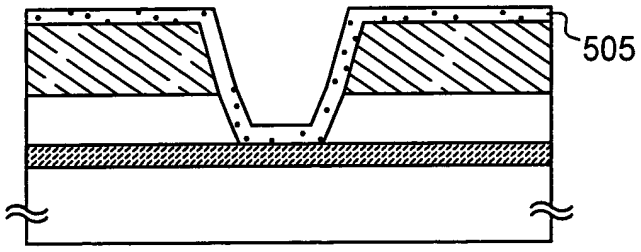


FIG.1C

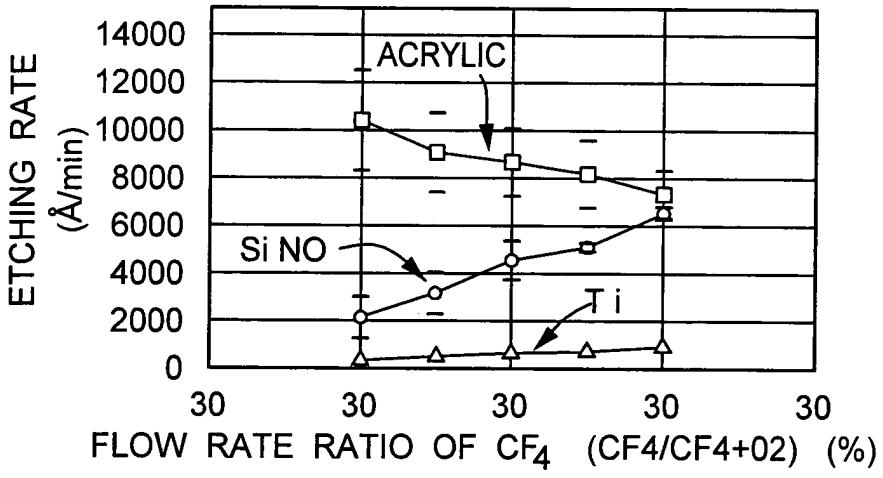

ETCHING RATE (Å/min)
14000
12000
10000
8000
6000
4000
2000
0
ACRYLIC
Si NO
Ti
30
30
30
30
30
FLOW RATE RATIO OF CF_4 (CF4/CF4+02) (%)

FIG. 2A

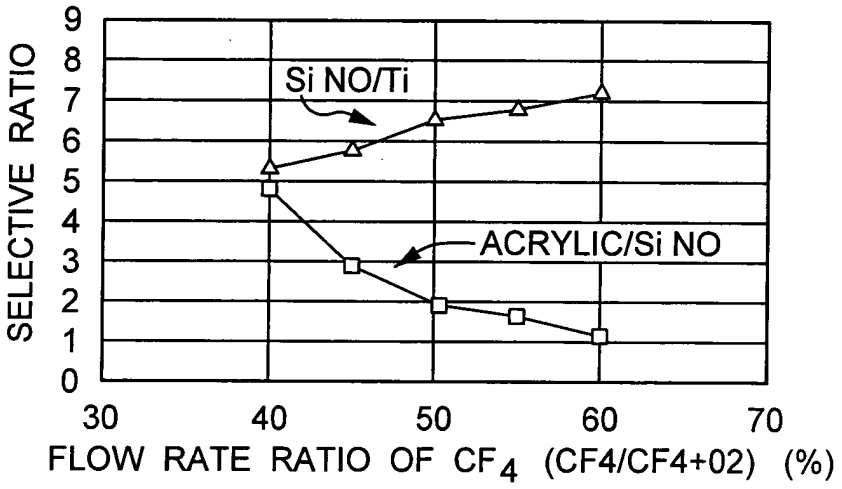

SELECTIVE RATIO
9
8
7
6
5
4
3
2
1
0
Si NO/Ti
ACRYLIC/Si NO
30
40
50
60
70
FLOW RATE RATIO OF CF_4 (CF4/CF4+02) (%)

FIG. 2B

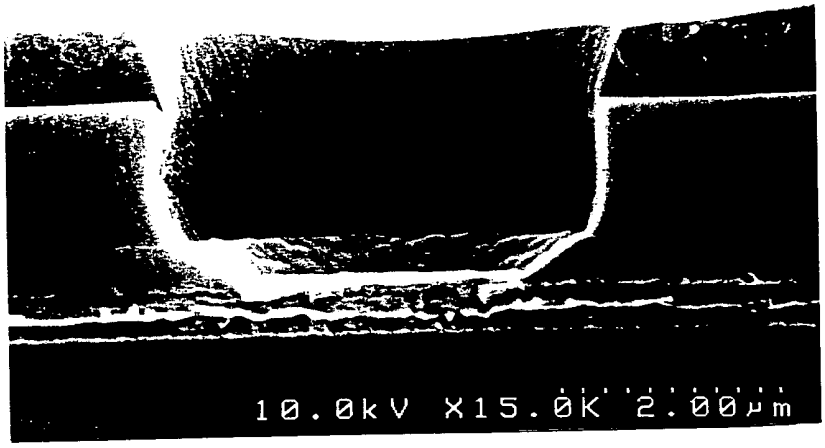


FIG.3A $CF_4/O_2 = 40/60$

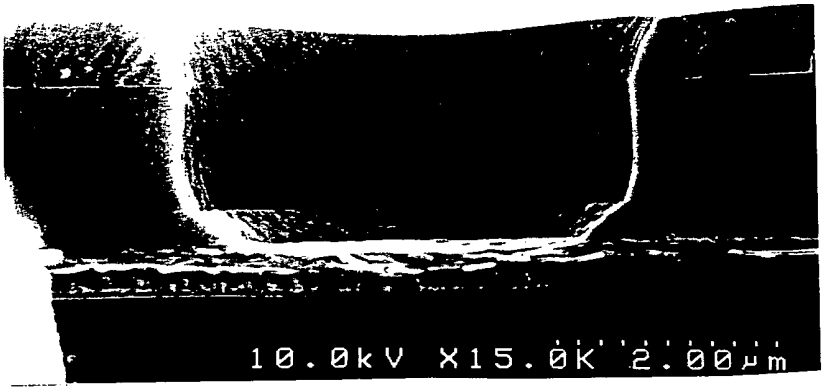


FIG.3B $CF_4/O_2 = 45/55$

FIG.3C $CF_4/O_2 = 50/50$

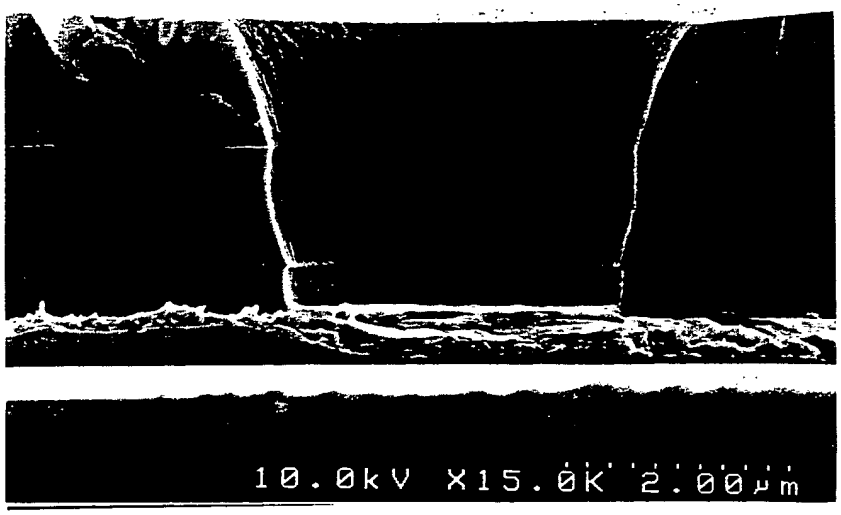


FIG.4A $CF_4/O_2 = 55/45$

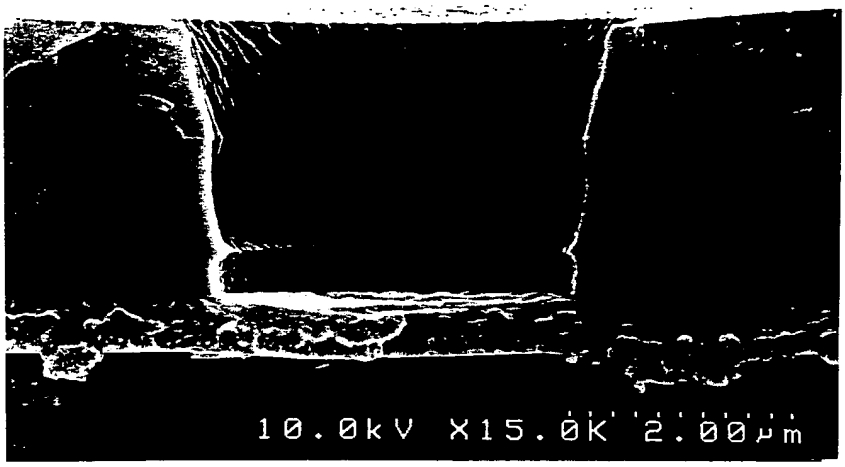


FIG.4B $CF_4/O_2 = 60/40$

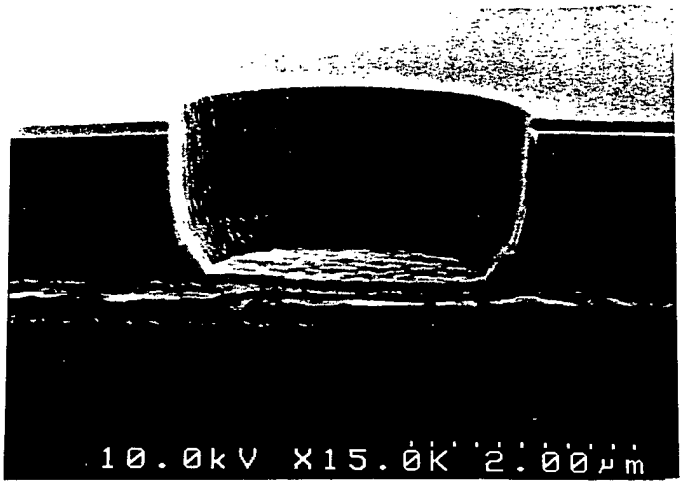


FIG. 5A

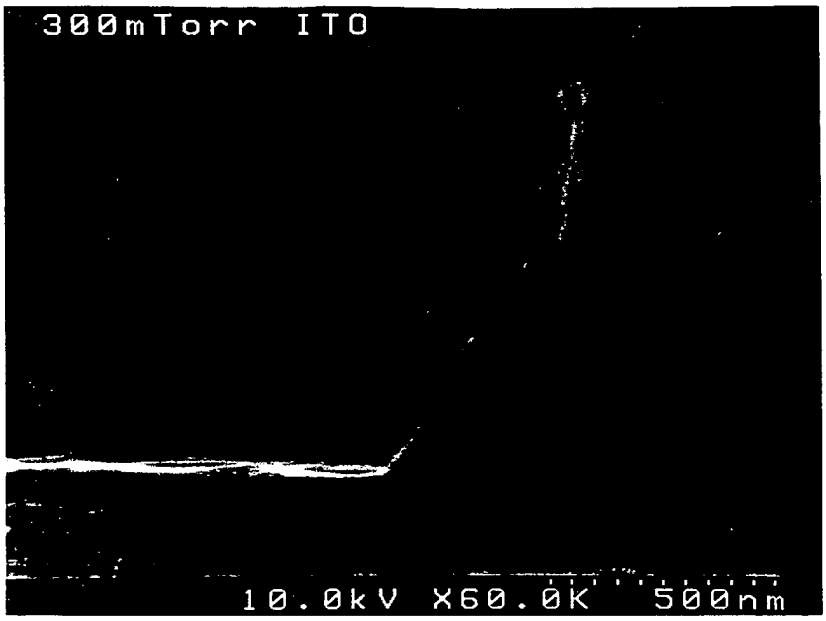


FIG. 5B

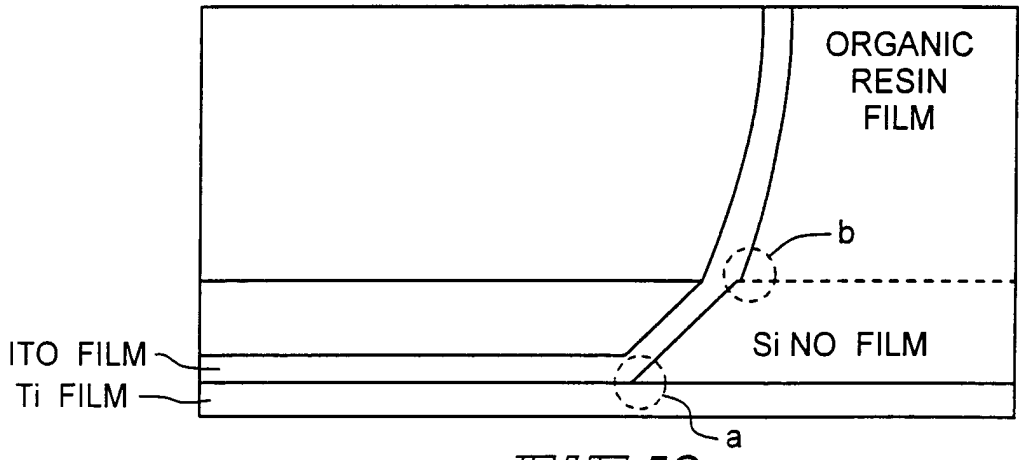


FIG. 5C

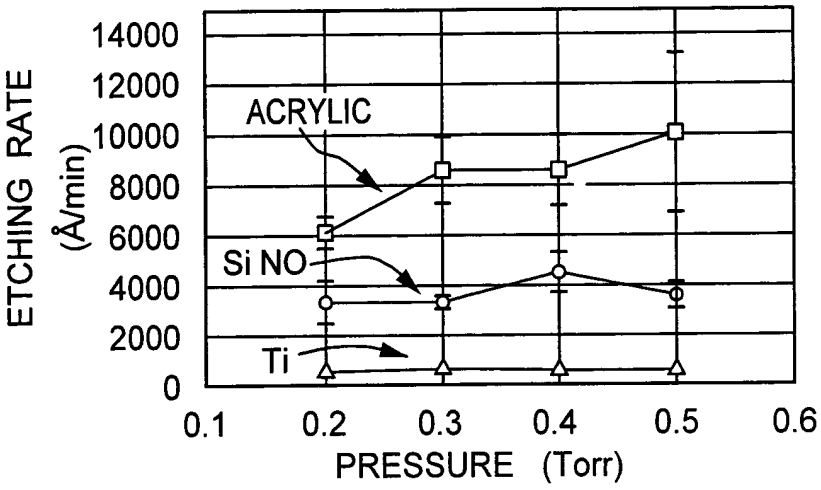

ETCHING RATE (Å/min)
14000
12000
10000
8000
6000
4000
2000
0
ACRYLIC
Si NO
Ti
0.1
0.2
0.3
0.4
0.5
0.6
PRESSURE (Torr)

FIG. 6A

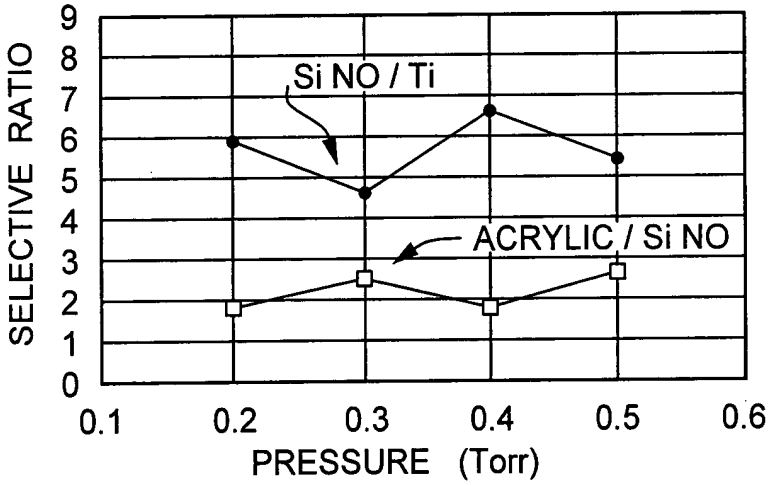

SELECTIVE RATIO
9
8
7
6
5
4
3
2
1
0
Si NO / Ti
ACRYLIC / Si NO
0.1
0.2
0.3
0.4
0.5
0.6
PRESSURE (Torr)

FIG. 6B

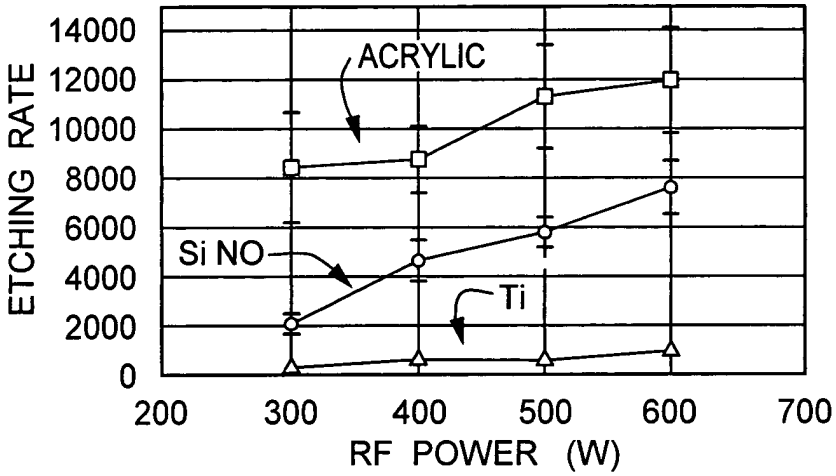

ETCHING RATE
14000
12000
10000
8000
6000
4000
2000
0
ACRYLIC
Si NO
Ti
200
300
400
500
600
700
RF POWER (W)

FIG. 7A

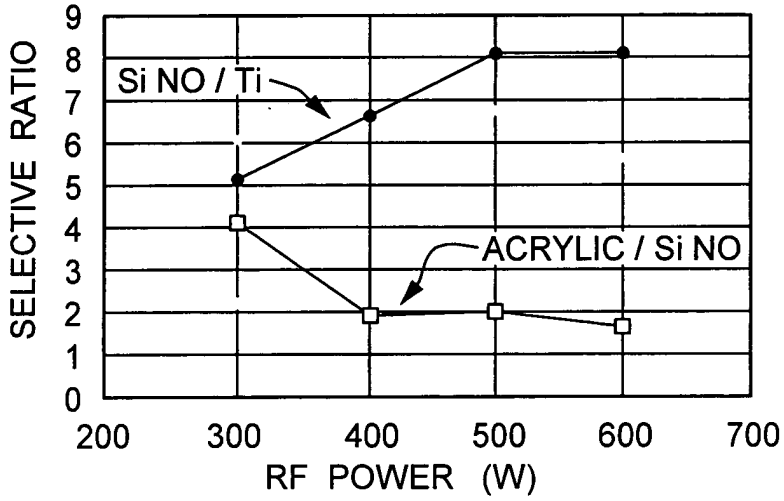

SELECTIVE RATIO
9
8
7
6
5
4
3
2
1
0
Si NO / Ti
ACRYLIC / Si NO
200
300
400
500
600
700
RF POWER (W)

FIG. 7B

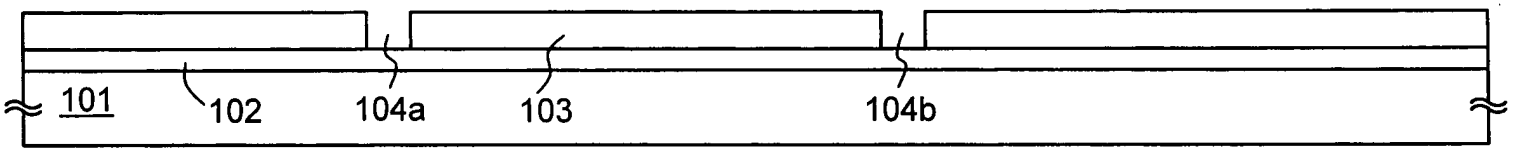


FIG. 8A

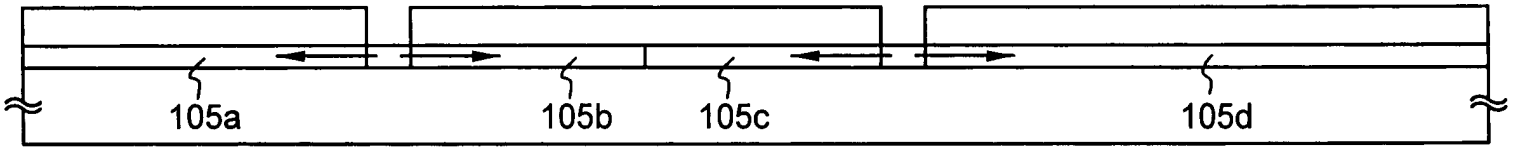


FIG. 8B

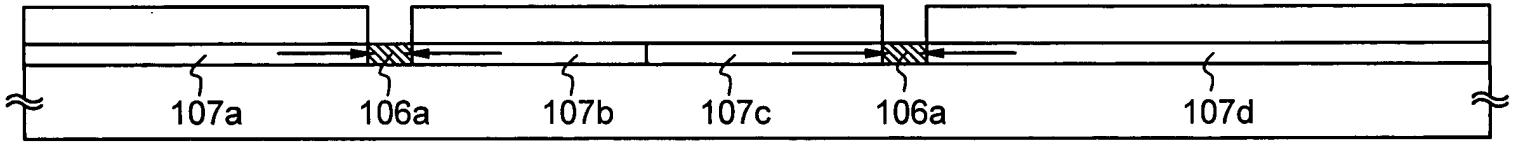


FIG. 8C

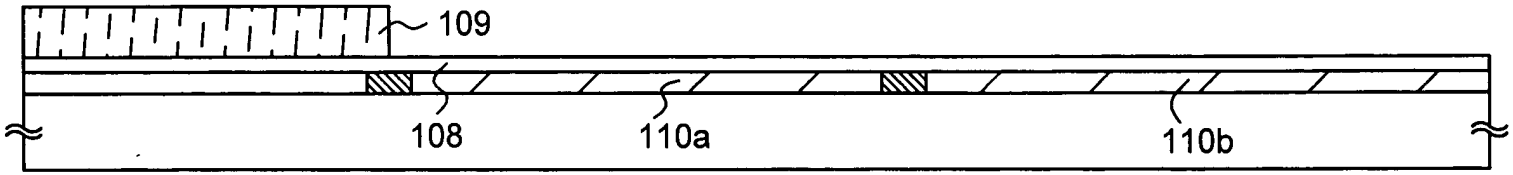


FIG. 8D

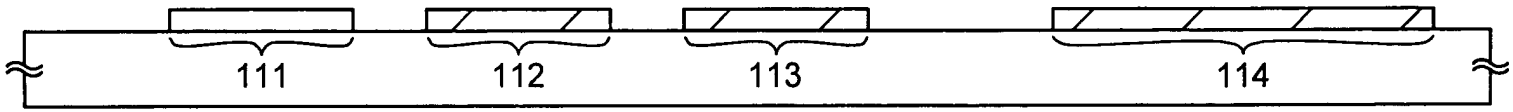


FIG. 8E

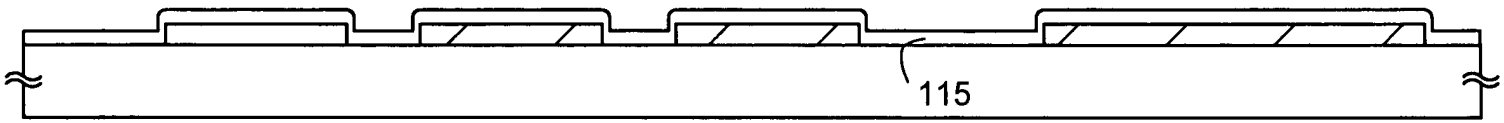


FIG. 9A

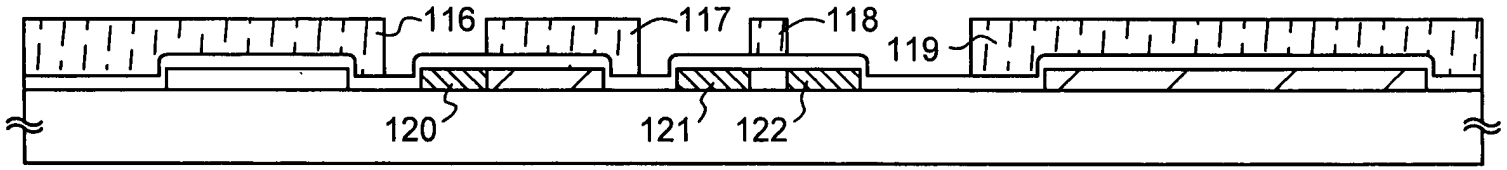


FIG. 9B

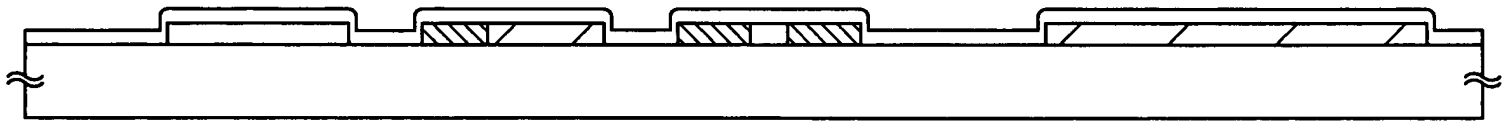


FIG. 9C

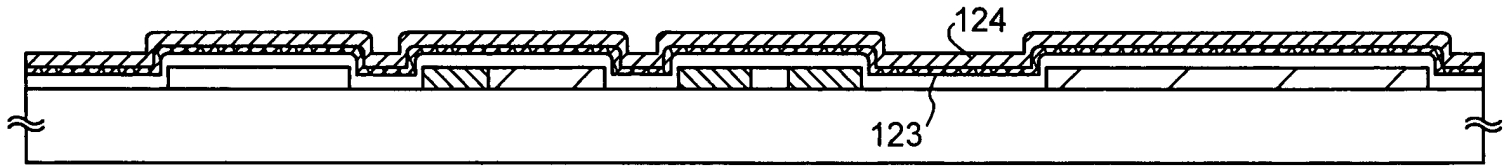


FIG. 9D

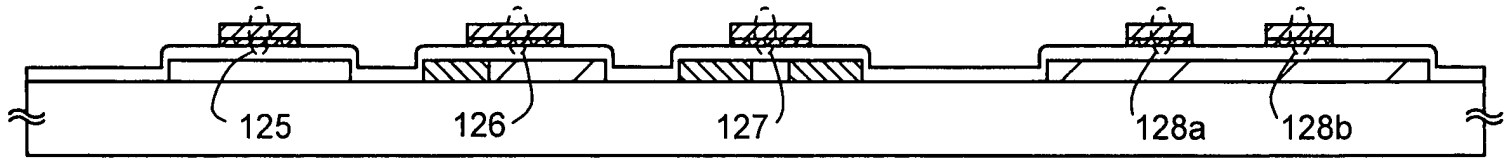


FIG. 9E

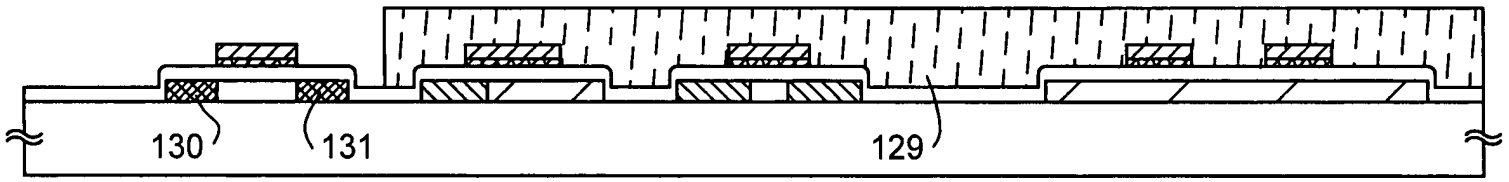


FIG. 10A

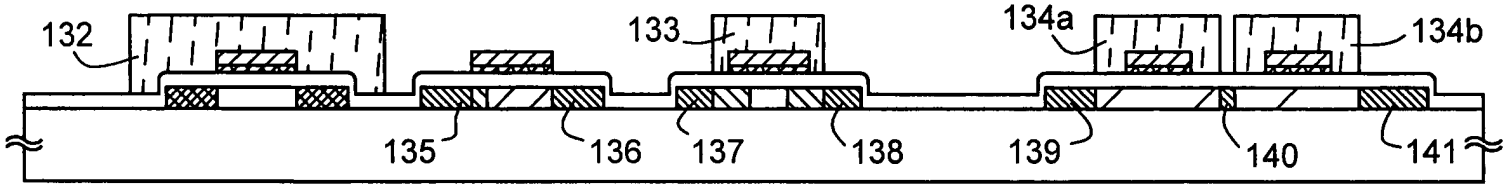


FIG. 10B

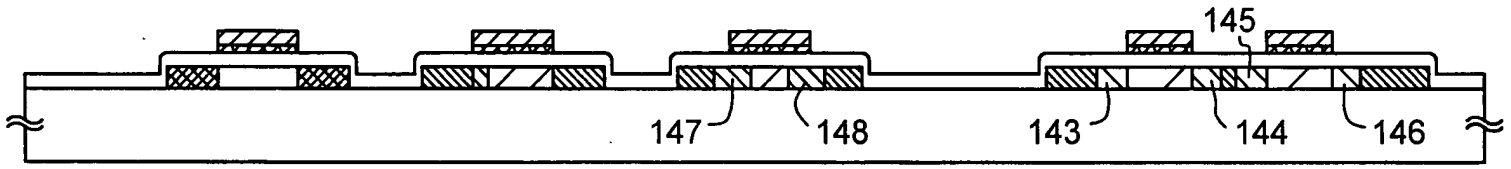


FIG. 10C

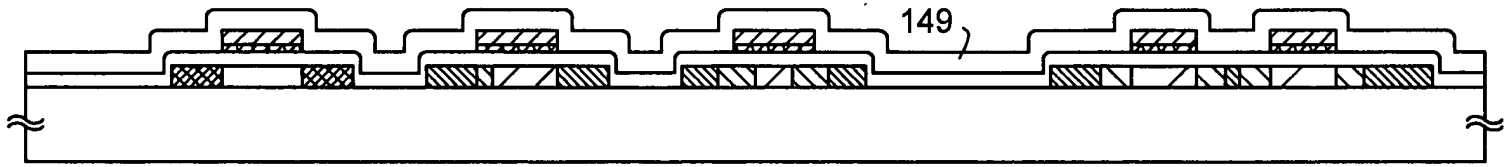


FIG. 10D

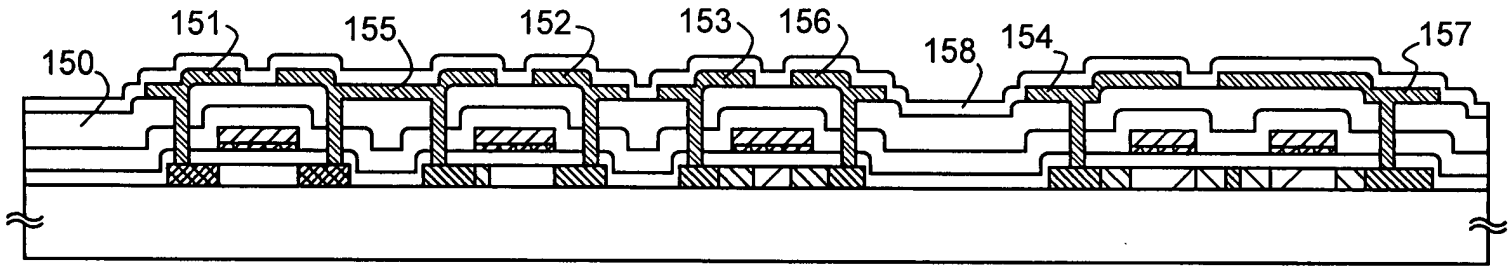


FIG. 11A

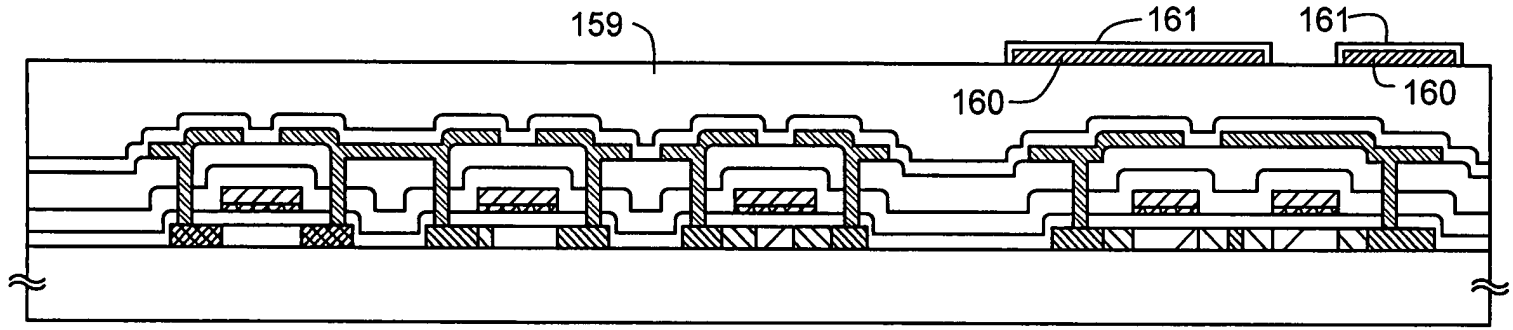


FIG. 11B

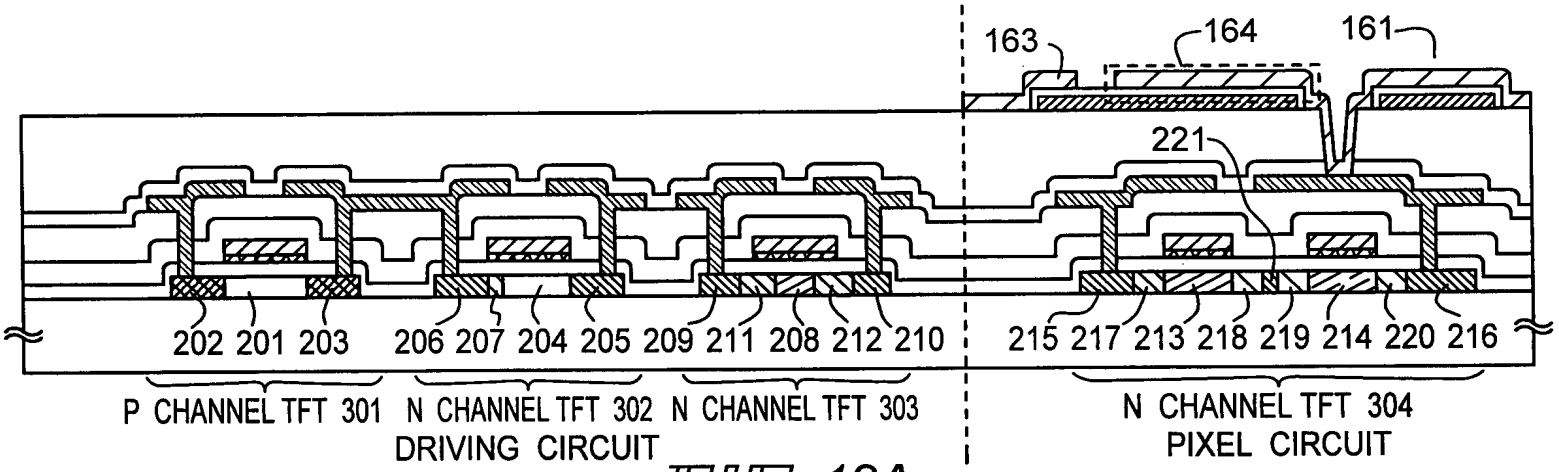


FIG. 12A

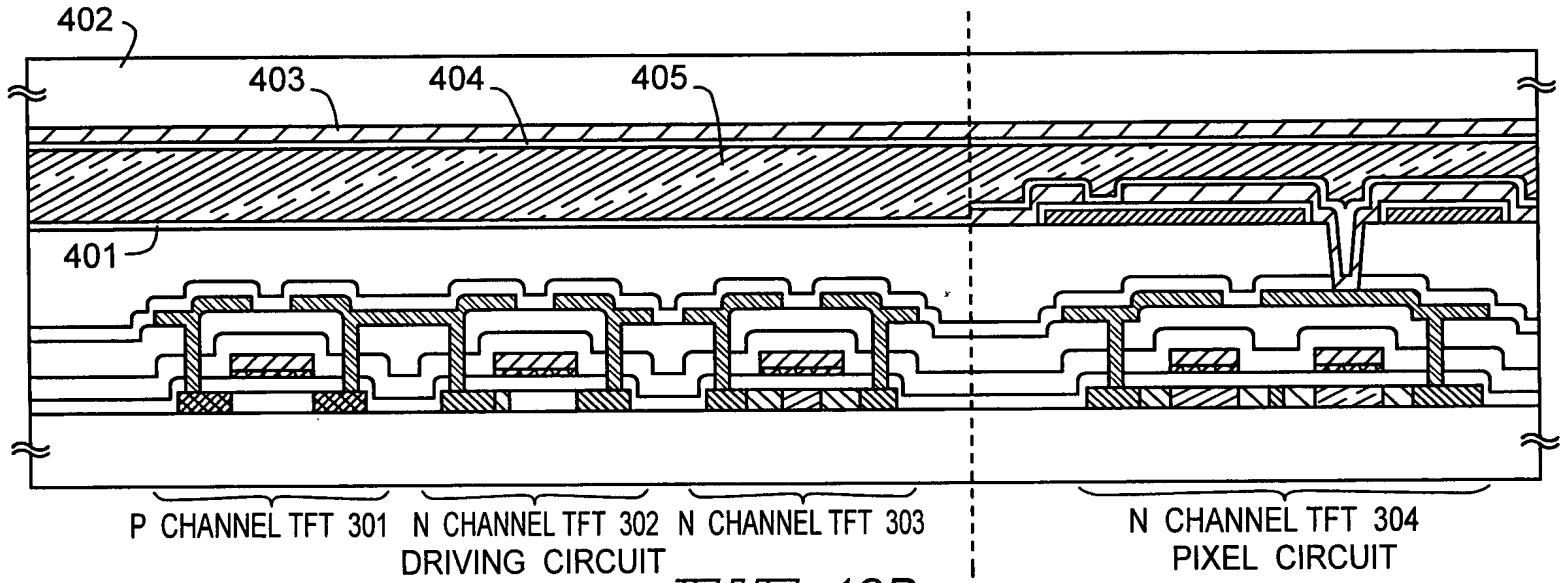


FIG. 12B

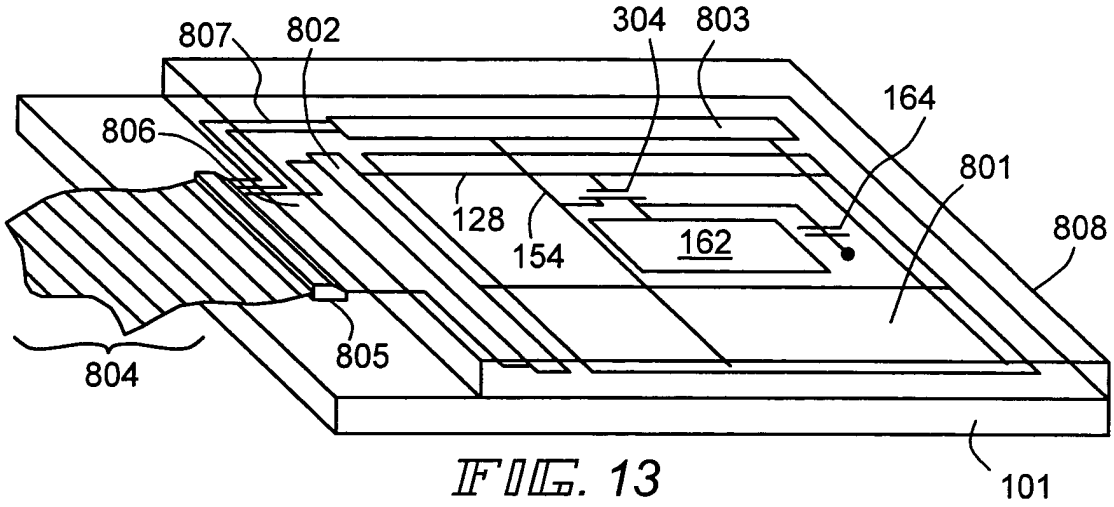

807
802
304
803
164
806
801
128
154
162
808
805
804
101

FIG. 13

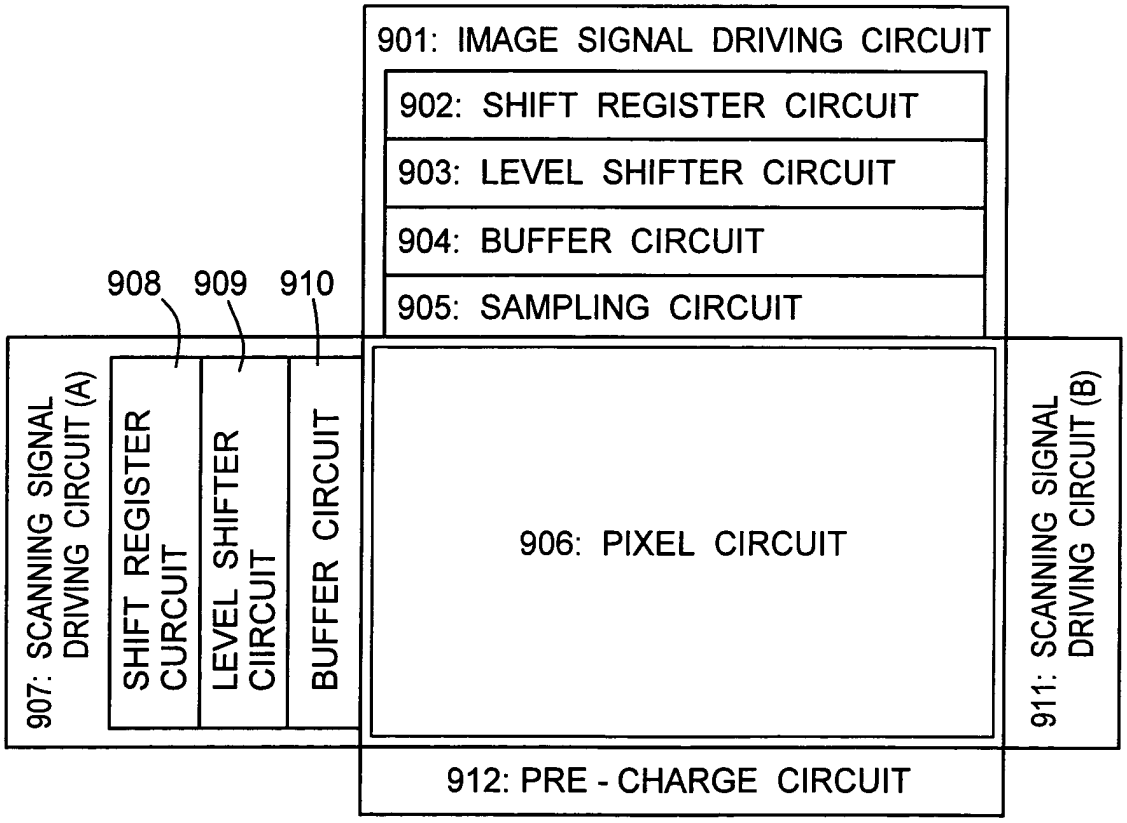

901: IMAGE SIGNAL DRIVING CIRCUIT
902: SHIFT REGISTER CIRCUIT
903: LEVEL SHIFTER CIRCUIT
904: BUFFER CIRCUIT
905: SAMPLING CIRCUIT
908
909
910
907: SCANNING SIGNAL DRIVING CIRCUIT (A)
SHIFT REGISTER CURCUIT
LEVEL SHIFTER CIRCUIT
BUFFER CIRCUIT
906: PIXEL CIRCUIT
911: SCANNING SIGNAL DRIVING CIRCUIT (B)
912: PRE - CHARGE CIRCUIT

FIG. 14

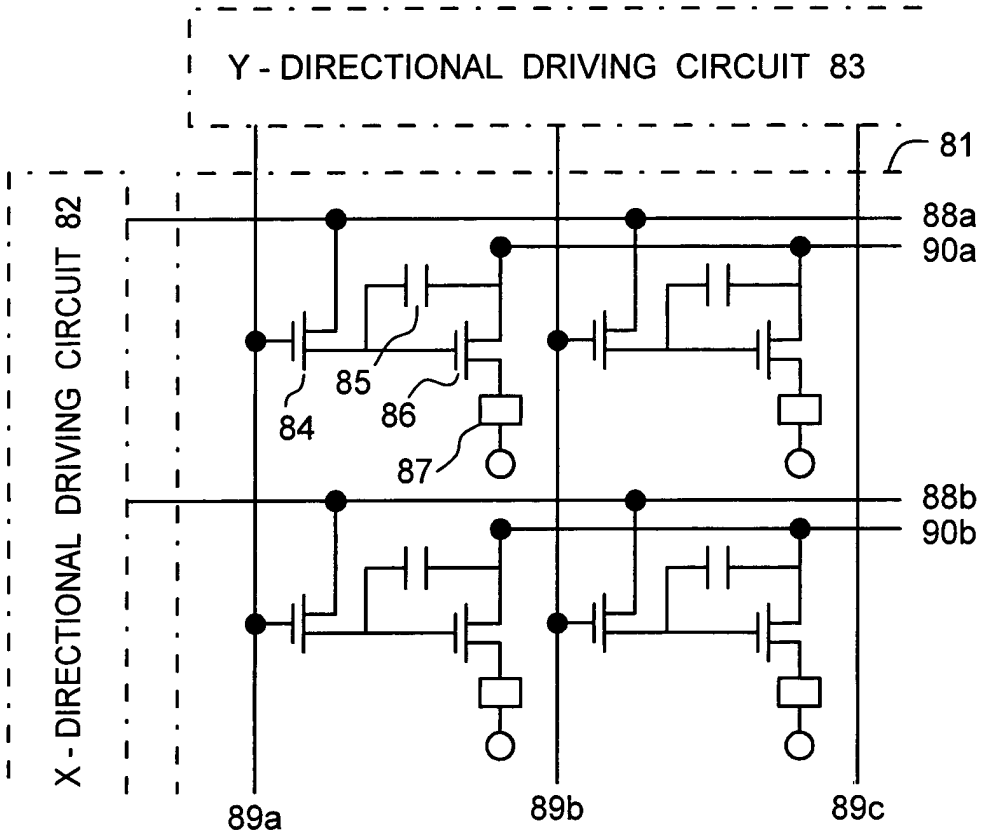

Y - DIRECTIONAL DRIVING CIRCUIT 83
X - DIRECTIONAL DRIVING CIRCUIT 82
81
88a
90a
88b
90b
84
85
86
87
89a
89b
89c

FIG. 15

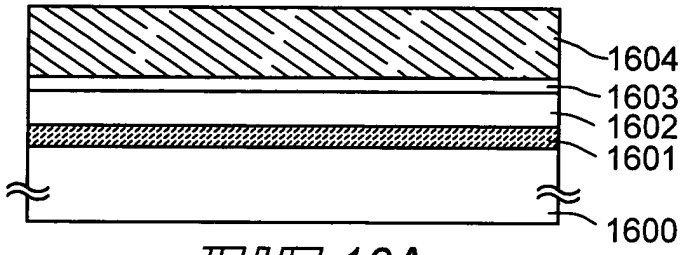


FIG. 16A

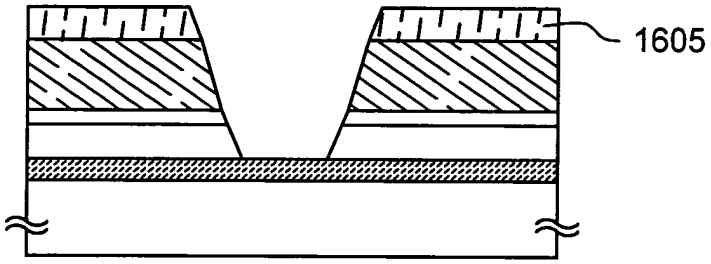


FIG. 16B

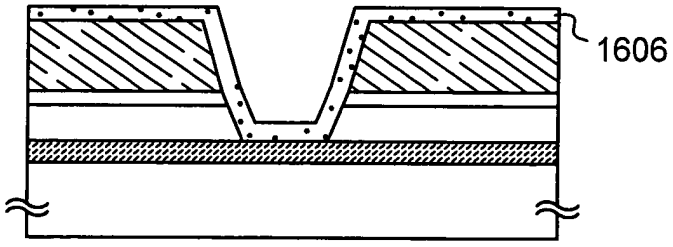


FIG. 16C

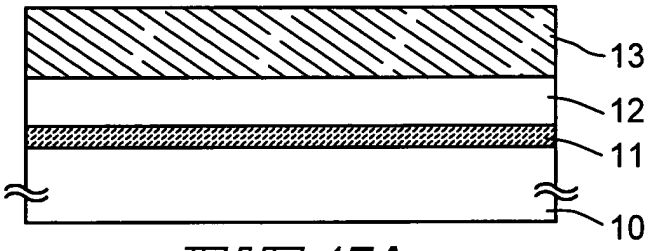


FIG. 17A
PRIOR ART

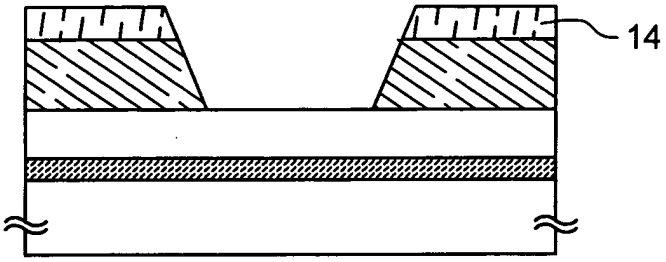


FIG. 17B
PRIOR ART

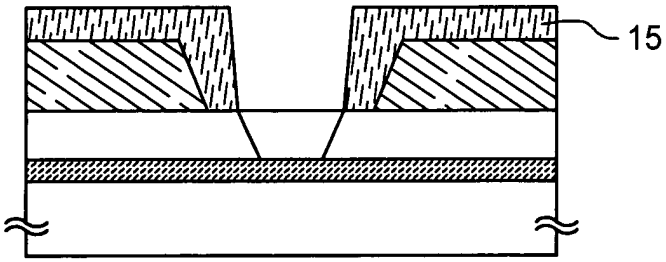


FIG. 17C
PRIOR ART

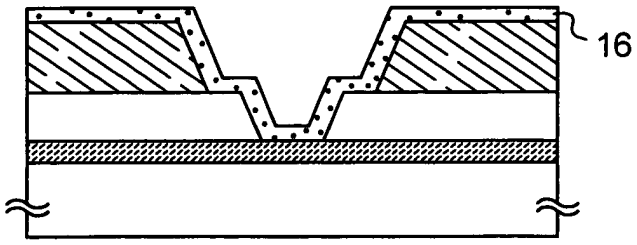


FIG. 17D
PRIOR ART

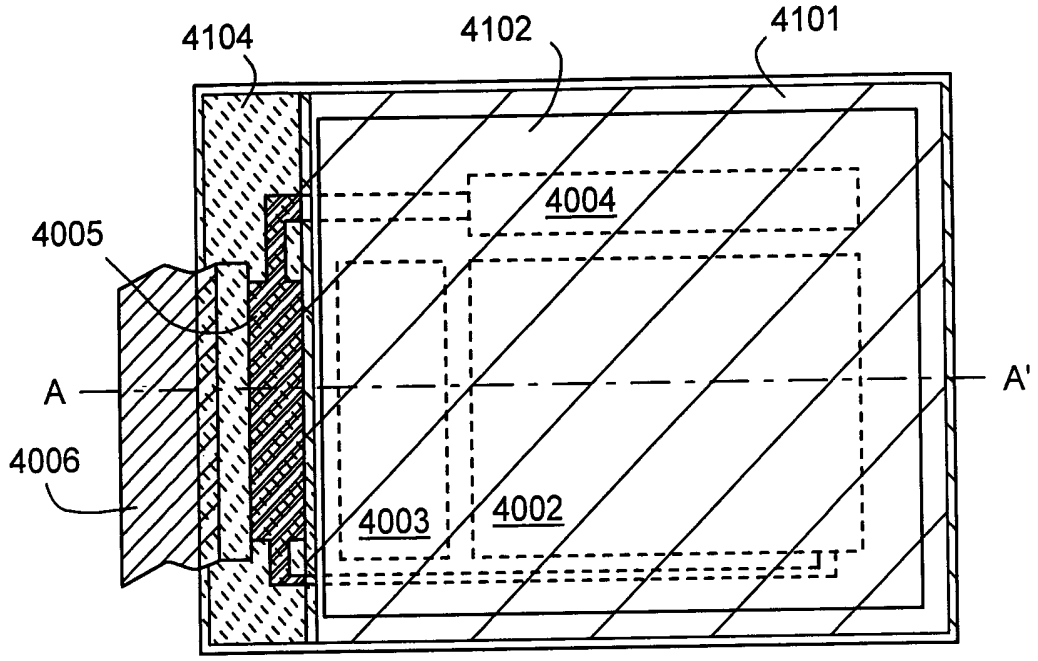


FIG.18A

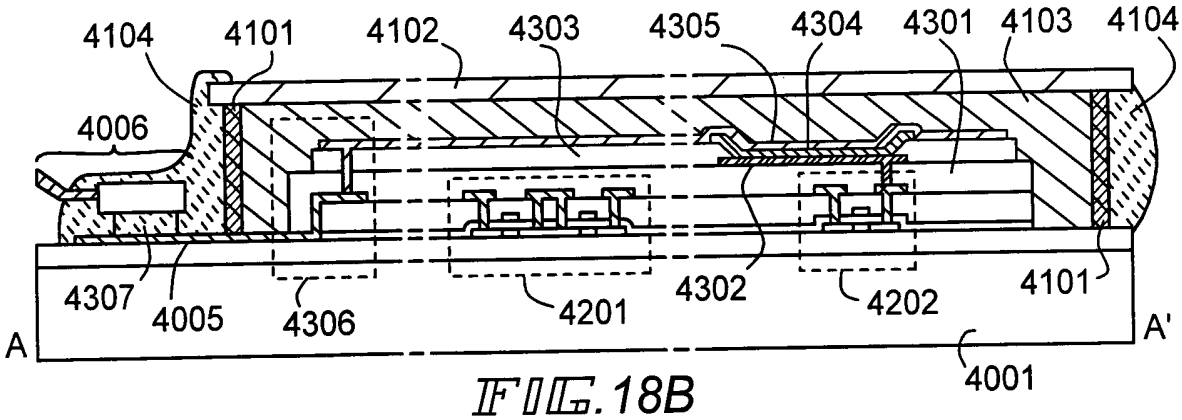


FIG.18B

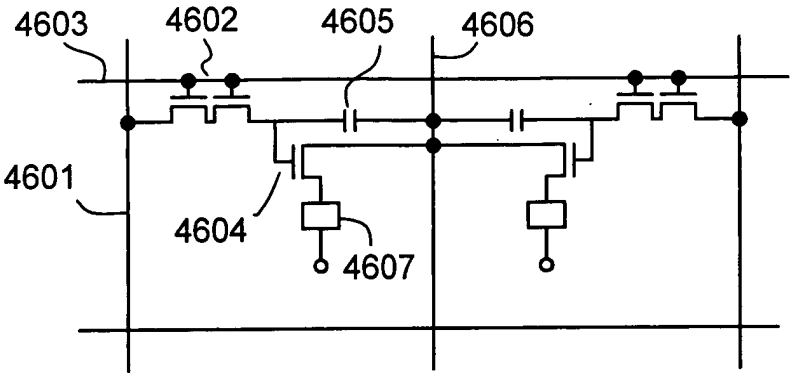


FIG.19A

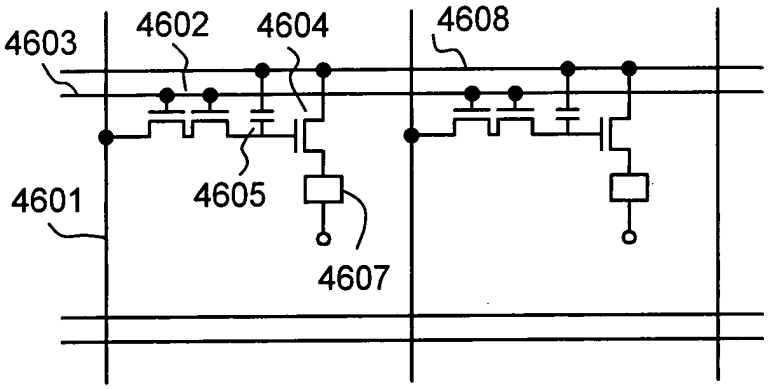


FIG.19B

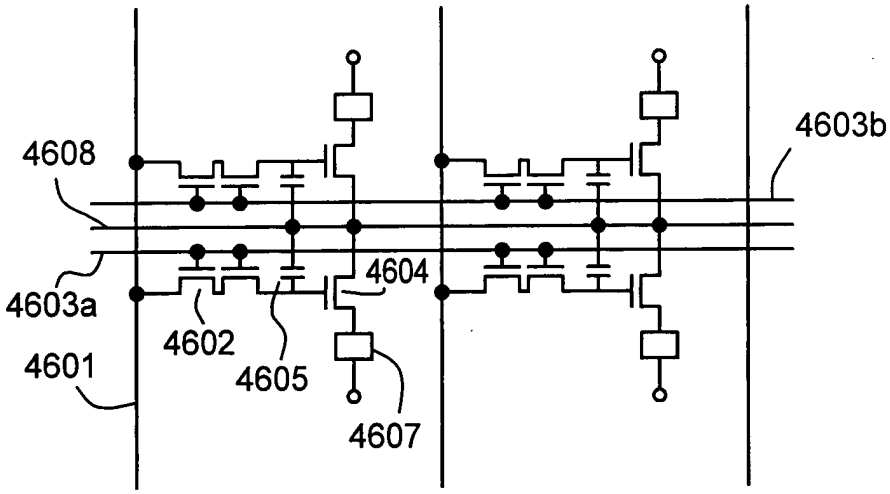


FIG.19C

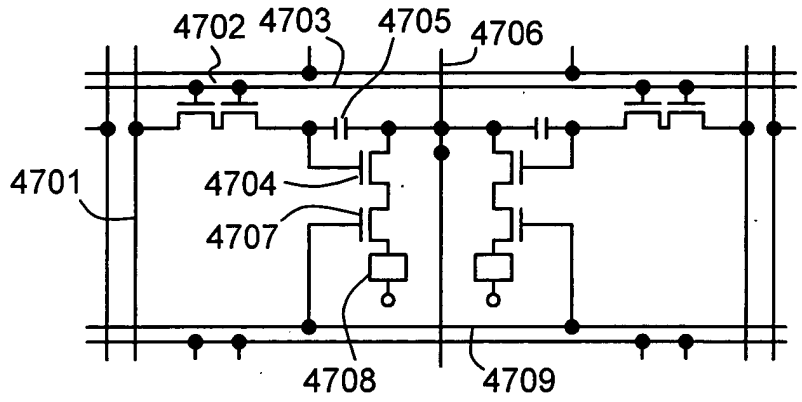


FIG. 20A

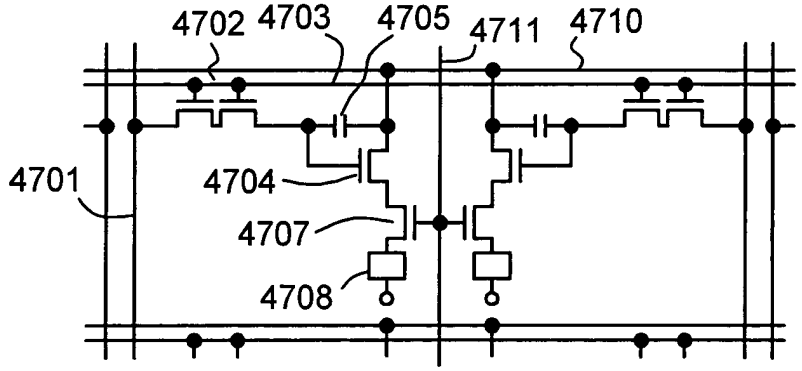


FIG. 20B

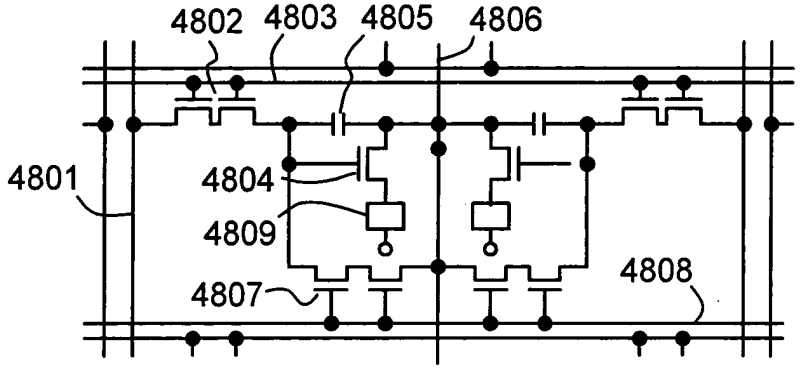


FIG. 21A

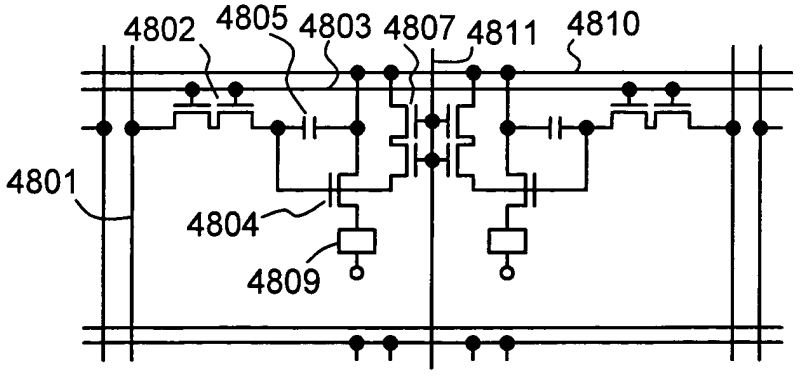


FIG. 21B

FIG. 22A

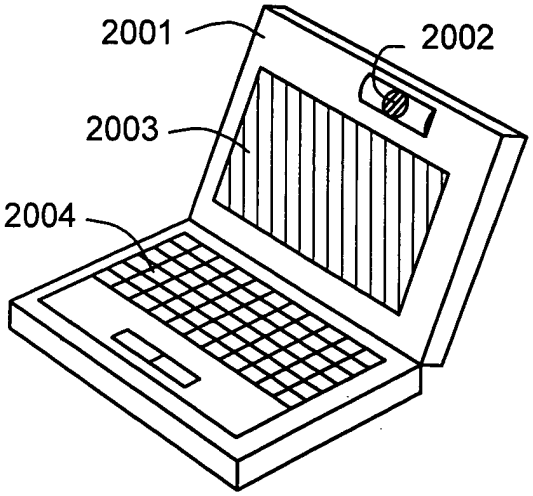


FIG. 22B

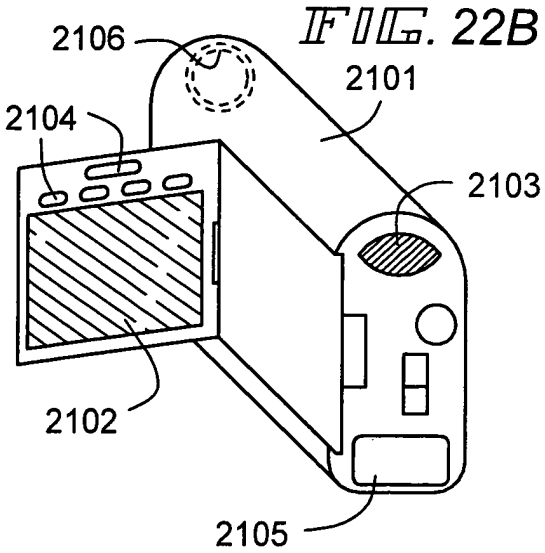


FIG. 22C

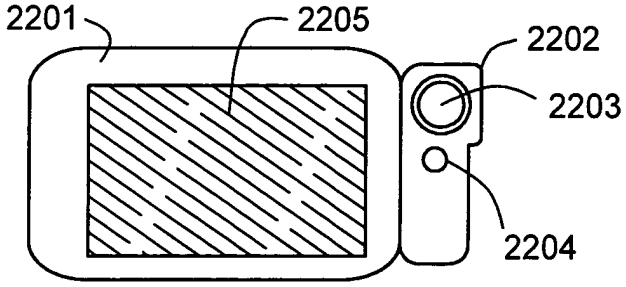


FIG. 20D

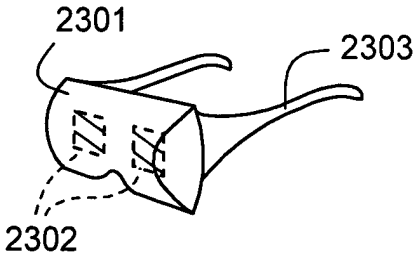


FIG. 22E

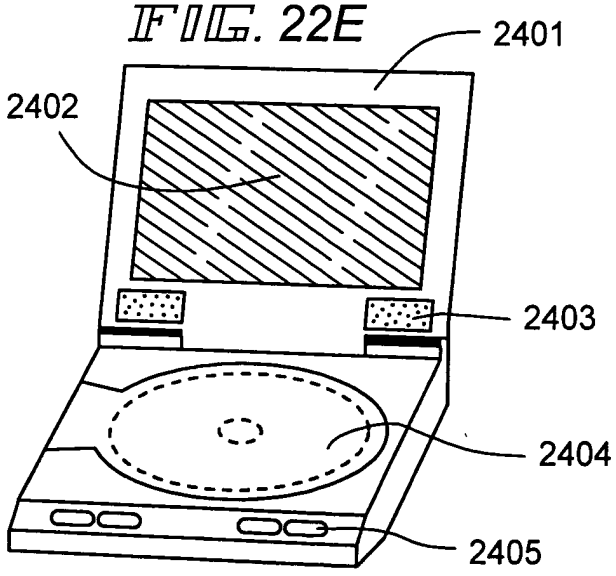
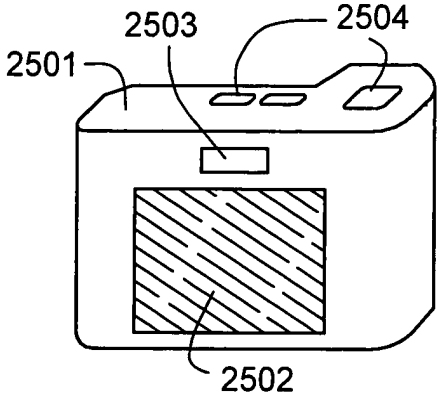


FIG. 22F



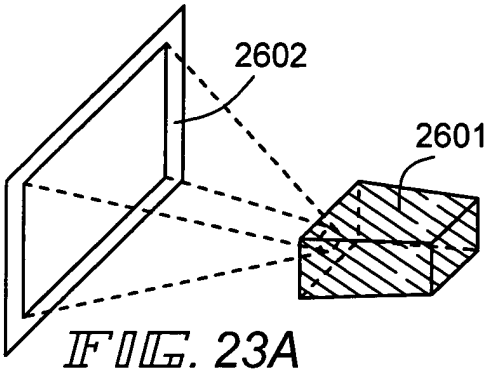


FIG. 23A

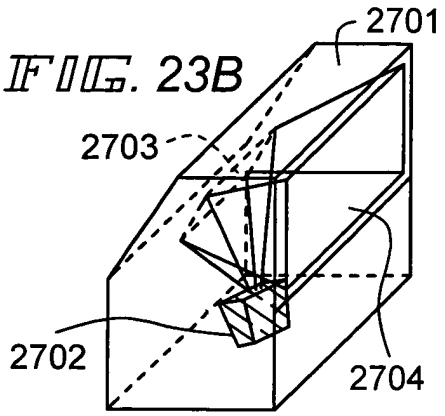


FIG. 23B

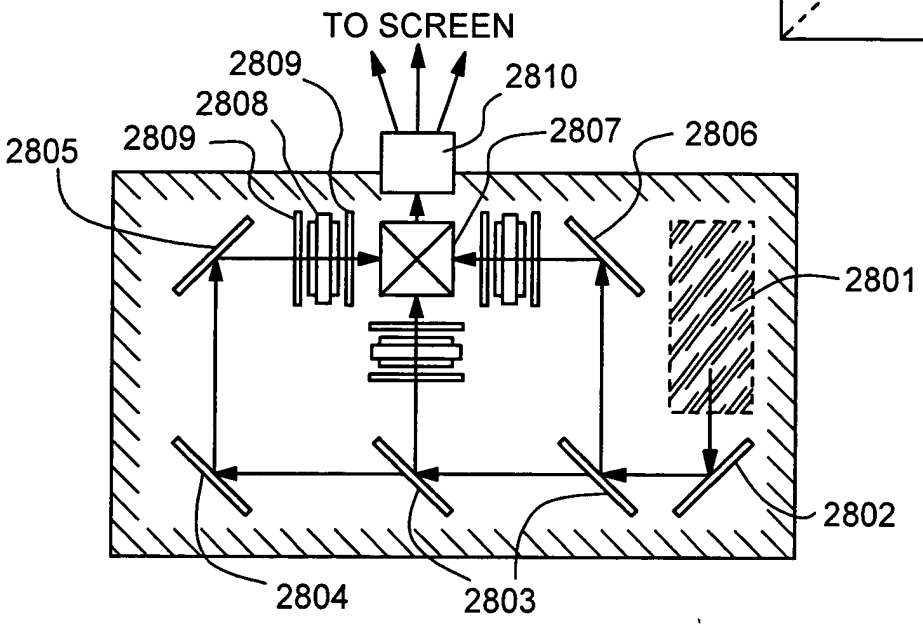


FIG. 23C

PROJECTION DEVICE
(THREE PLATE TYPE)

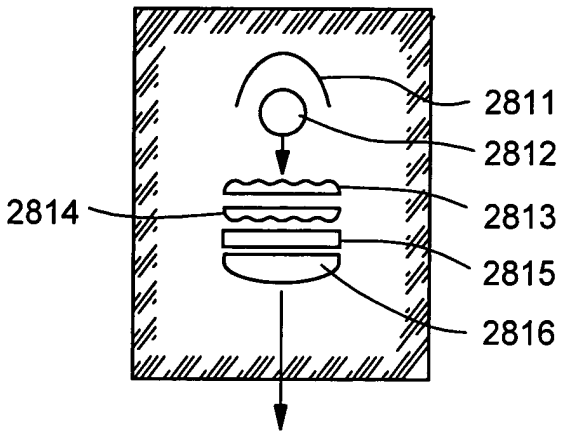


FIG. 23D

LIGHT SOURCE
OPTICAL SYSTEM

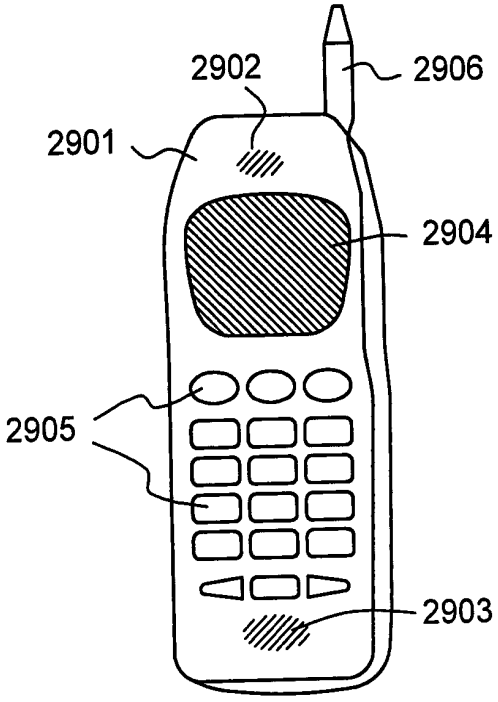


FIG.24A

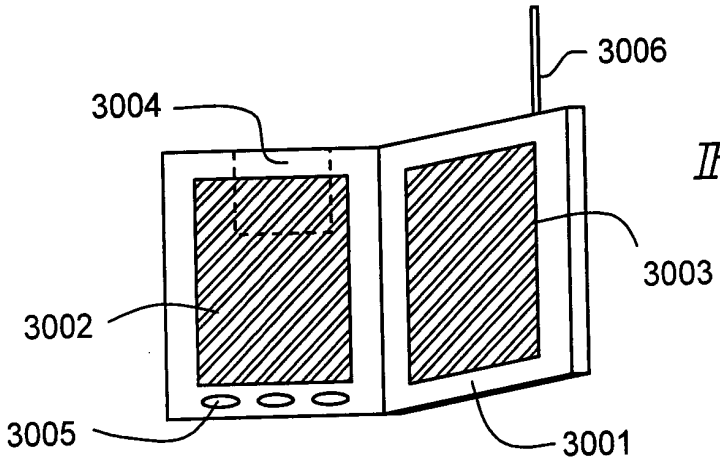


FIG.24B

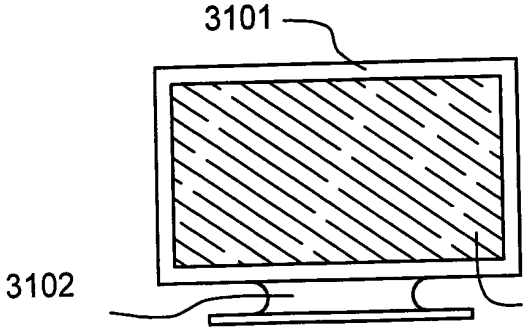


FIG.24C